

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 February 2002 (07.02.2002)

PCT

(10) International Publication Number
WO 02/10036 A1

(51) International Patent Classification⁷: B65D 83/04, (74) Agent: MASCIOLI, Alessandro; Via Leonina, 26, A47G 19/32 I-00184 Roma (IT).

(21) International Application Number: PCT/IT00/00455 (81) Designated States (*national*): JP, US.

(22) International Filing Date: 10 November 2000 (10.11.2000) (84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

(25) Filing Language: English

Published:

(26) Publication Language: English

— with international search report

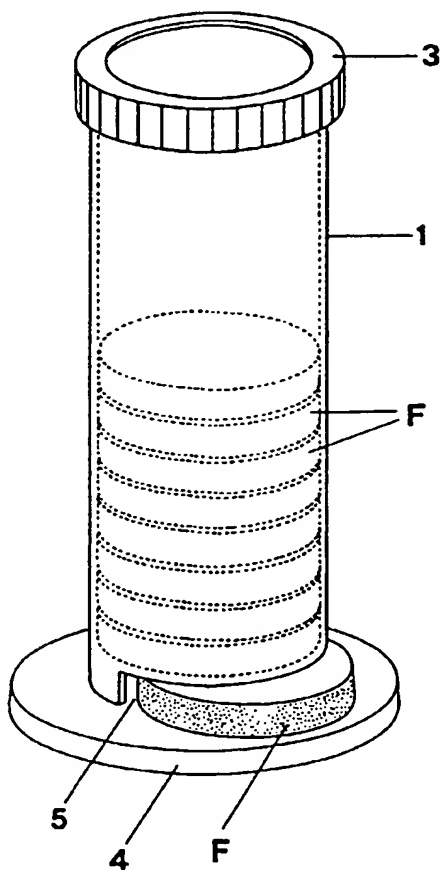
(30) Priority Data:
RM2000A000423 31 July 2000 (31.07.2000) IT

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant and

(72) Inventor: CAPOROSSI, Roberto [IT/IT]; Via del Casaleto, 673, I-00151 Roma (IT).

(54) Title: DEVICE FOR DISTRIBUTING PILED RUSKS IN SUCCESSION



(57) Abstract: The device according to the present invention, for containing piled up rusks that may be taken off in succession through openings made in the bottom thereof, consists of a cylindric or prismatic container (1), according to the shape of the rusks to be piled up and contained therein, inserted into said container through an upper opening (2), with a closing lid (3) and a partial opening (5) made in the lateral surface in correspondence of the base resting on the table, having such dimension and shape as to determine the showing and the consequent possibility of taking off the lowest rusk (F) so that, following to the taking off and eating and due to gravity, the next rusk slides down and may in turn be taken off.

WO 02/10036 A1

DEVICE FOR DISTRIBUTING PILED RUSKS IN SUCCESSION

The present invention concerns a device for containing piled up rusks that may be taken off in succession through openings made in the bottom thereof.

It is well known that among all kinds of biscuits, crackers and similar that may be consumed for breakfast and/or for lunch and dinner, rusks and similar are difficult to conserve and to handle, once the wrapping has been opened, due to their encumbrance and friability; this often determines considerable wastes when the rusks break or when they are exposed to the air.

It is the aim of the present invention to completely solve above mentioned need by means of a device according to the present invention for containing said rusks and similar and distributing them in succession, which will also form a new and original table element.

The aim set forth is reached by means of the device according to the present invention consisting of a container having the shape of a cylinder or of a prism according to the shape of the piled up rusks to be contained therein, and that are inserted into said container through an upper opening with a lid, and with a partial opening made in the lateral surface in correspondence to the bottom resting on the table, of such dimension and shape as

to allow the showing and the consequent possibility of taking off the lowest rusk, which will allow, in succession, the rusk above to slide down due to gravity and to be taken off.

The advantage of the device according to the present invention consists in that it is a practical, absolutely new and hygienic means for presenting and conserving the product.

The present invention will be described more in detail hereinbelow relating to the enclosed drawings in which an embodiment is shown.

Figure 1 shows an external axonometric view of a device for containing piled up rusks that may be taken off in succession through opening means made on the bottom of said device.

Figure 2 shows the device according to the present invention in an exploded, transparent view.

The enclosed figures show a device according to the present invention, for containing piled up rusks that may be taken off in succession through opening means made in the bottom thereof, mainly consisting of:

- a container 1, having the shape of a cylinder for round rusks F, or the shape of a parallelepiped or a prism, according to the different shapes of said rusks, wherein said rusks are

- piled up, through an upper opening 2 that may be closed, for hygienic reasons, by a lid;
- a resting base 4 on a plane, linked to the lower part of said container 1;
 - an opening 5, slightly larger than each slice of rusk F and with a lateral dimension corresponding to the diameter of the rusk, so that the user can see the slice available on the bottom of the container and take it off with his hands, whereby, due to gravity, the next slice will appear, ready for use.

CLAIMS

1. A device for containing piled up rusks that may be taken off in succession from openings made on the bottom thereof, characterized in:
 - a container (1) for rusks (F) piled up from an upper opening (2) that may be closed, for hygienic reasons, by a lid (3);
 - a resting base (4) on a plane, linked to the lower part of said container (1);
 - an opening (5), slightly larger than each slice of rusk (F) and with a lateral dimension corresponding to the diameter of the rusk, so that the user can see the rusk (F) available on the bottom of the container and take it off with his hands, whereby, due to gravity, the next slice will appear, ready for use.
2. A device according to claim 1, characterized in a cylindric structure of said container (1) for the housing of round rusks (F).
3. A device according to claim 1, characterized in a parallelepiped or prismatic structure of said container (1) for rusks (F) having a corresponding shape.

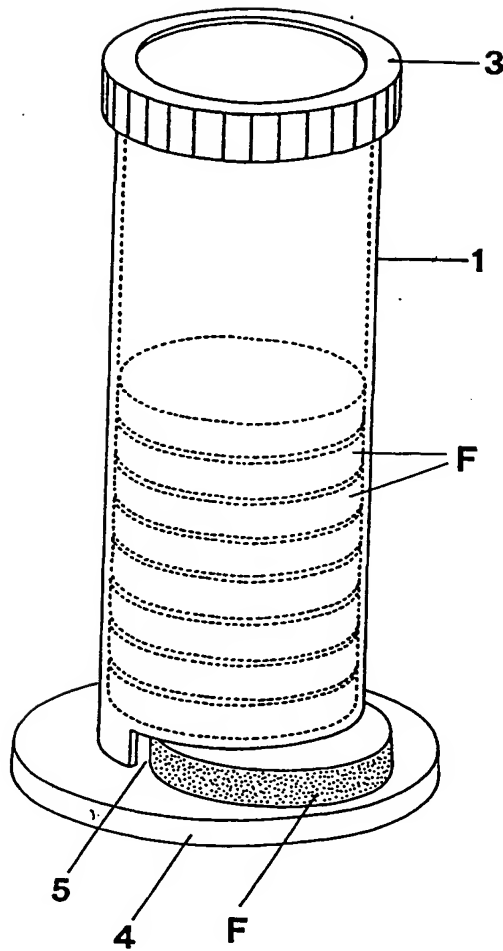


FIG.1

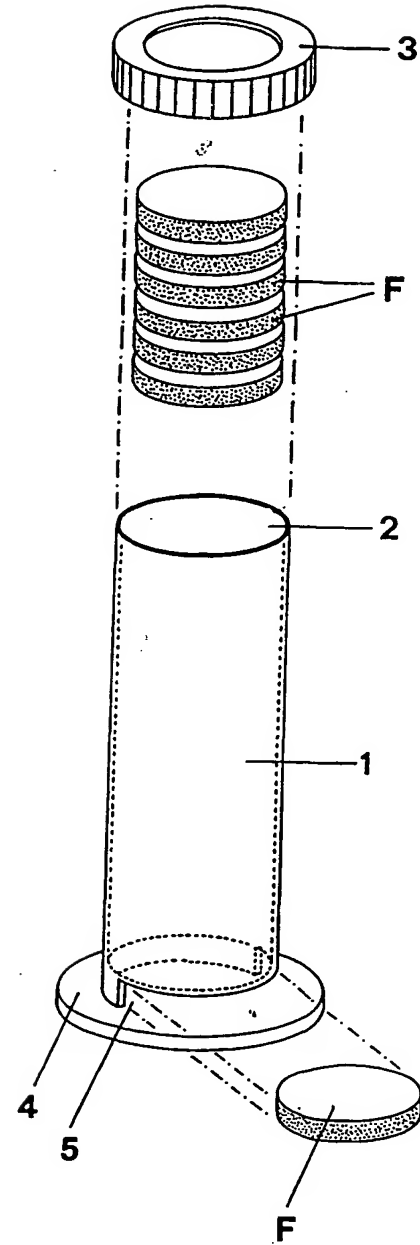


FIG.2

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 00/00455

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65D83/04 A47G19/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D A47G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--------------------------------------------------------------------------------------------------------|-----------------------|
| X | DE 297 17 841 U (BENZ THOMAS ;LAUX JOACHIM (DE)) 5 February 1998 (1998-02-05) the whole document | 1,2 |
| X | DE 81 32 383 U (HENKEL KGAA) 11 November 1982 (1982-11-11) page 4, line 17 - line 20; figure 2 | 1,2 |
| X | US 3 298 568 A (LE BROCCQ) 17 January 1967 (1967-01-17) column 2, line 18 - line 37; figures 1-3 | 1,2 |
| X | DE 243 149 C (GIERTH) 3 February 1912 (1912-02-03) the whole document | 1,2 |
| Y | | 3 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

20 March 2001

Date of mailing of the international search report

28/03/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Spettel, J

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT 00/00455

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| Y | US 3 326 413 A (ANDERSON) 20 June 1967 (1967-06-20) column 1, paragraph 1; figures 1,2,5 | 3 |
| X | DE 240 088 C (RAPPENECKER) 28 October 1911 (1911-10-28) the whole document | 1;3 |
| A | EP 0 699 595 A (PROCTER & GAMBLE) 6 March 1996 (1996-03-06) figures 1-3 | 1 |
| A | EP 0 934 889 A (FERPACK AUTOMATIC DI MARCHIORI) 11 August 1999 (1999-08-11) column 1, paragraph 1; figure 3 | 1 |

Form PCT/SA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 00/00455

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|-------------------------------------------|---------------------|----------------------------|---------------------|
| DE 29717841 U | 05-02-1998 | NONE | |
| DE 8132383 U | 11-11-1982 | NONE | |
| US 3298568 A | 17-01-1967 | NONE | |
| DE 243149 C | | NONE | |
| US 3326413 A | 20-06-1967 | NONE | |
| DE 240088 C | | NONE | |
| EP 0699595 A | 06-03-1996 | WO 9606787 A | 07-03-1996 |
| EP 0934889 A | 11-08-1999 | IT B0980043 A | 30-07-1999 |

Form PCT/ISA/210 (patent family annex) (July 1992)

THIS PAGE BLANK (USPTO)